

MODARCH Status

History

- **01 Jul 1993**
 - Hardware, Software, and SysAdmin arrive
- **15 Aug 1993**
 - Pilot System operation begins
- **01 Oct 1993**
 - MODARCH goes Operational
- **15 Feb 1994**
 - Initial document backlog processed

MODARCH Status

Document Metrics

01 Oct 1993 - 06 May 1994

- 2,186 Documents
- 44,950 pages
- 2.01 Gigabytes of data

MODARCH Status

Archive Contents

- MODIS Specifications and CDRL
- ATBDs
- Meeting Minutes
 - MODIS Science Team
 - MODIS Technical Team
 - MODIS Team
 - SDST Weekly Meeting
 - MCST All-Hands Meetings
 - MODIS Algorithm Team

MODARCH Status

Archive Contents

- **SBRC Documents**
 - Weekly, Monthly, and Quarterly Reports
 - Internal Technical Memos
 - Deliverables
 - » PDR
 - » CDR
 - » Flight and STE Software Documents
 - » Performance Verification Plan
 - » Other CDRL-specified items

MODARCH Status

System Use

- Known Users
 - MODIS Team
 - ESA
 - JPL
 - USGS
 - NOAA
 - EPA
 - CERES Team (Langley)
 - University/Classroom Users

MODARCH Status

Issues

- Database Access
 - Clumsy on Client
 - Limited Search Capability
- Printing
 - Page-at-a-time on Clients
 - UNIX availability
- On-screen Viewing
- System Speed and Response

MODIS Status

Database Access

arcinfo

- log in to modarch as *moduser*
- type **arcinfo** **<filename>**
- output format:
 - ASCII file
 - one line per document
 - 22 fields per line, separated by TABs
 - record contains database plus document path information
 - readable by Microsoft Excel

MODARCH Status

Printing - UNIX

- Can support HP and Postscript Printers
 - Printer must be attached to a UNIX print queue
 - must arrange to have print support set up
- MODARCH Requirements
 - Entry for printer as remote in /etc/printcap
 - Entry for host in /etc/hosts
- Remote System Requirements
 - entry in /etc/hosts for modarch.gsfc.nasa.gov
 - entry in print hosts for modarch.gsfc.nasa.gov

MODARCH Status

EFS version 3.5 (beta)

- Currently being evaluated by MODARCH staff
- Includes **Page Range Printing** for clients
- Includes **Client API** facility
- Includes **Client Launch** facility
 - Open electronic document using application program
- Will make available by end of May 1994 if no serious bugs found
- EFS 3.5 Release expected July 1994

MODARCH Status

On-Screen Viewing

- Standard 14" VGA or Mac Monitors
 - Acceptable for Fileroom Browse and using Search
 - Limited performance for document image or text viewing
- Recommend 19" monitor or larger
- Possible use of API or Client Launch for Viewing
 - launch into a TIF viewer for images
 - launch into a WP program for text
 - can provide more flexibility in viewing on all monitors
 - Subject to EFS 3.5 capabilities, user need, staff time

MODARCH Status

Hardware Upgrade

- Upgrading CPU
 - Currently SPARCStation IPX with 16 MB memory
 - Upgrading to SPARCSystem 10 with 128 MB memory
 - Improved access and processing time
- Adding 2 9-GB drives
 - Used 2GB in first 6 months
 - Expect document rate to hold steady or increase
 - Investigating other uses for system
 - » World-Wide Web Server
 - » Home for Browse Data

MODARCH Status Projects

- **World-Wide Web/Mosaic**
 - Set up MODIS home page
 - Develop Interface between MODARCH and WWW
 - » Possible support through CAN proposal
- **HyperText Conferencing System**
 - Possible support through CAN proposal
 - Merges functions of UseNet News, E-Mail, and WWW
 - Possible uses include peer reviews, joint research, interactive multimedia document generation

MODARCH Status

Outside Interest

- Only Active Electronic Archive in EOS
- Interest being shown by other groups
 - NASA
 - » CERES
 - » SeaWiFS
 - » TDRSS
 - » EOSDIS
 - Demos to outside Groups
 - » Library of Congress
 - » USGS
 - » IRS

MODARCH Status

Useful Items

- System Name: modarch.gsfc.nasa.gov
- Internet Address: 128.183.26.44
- System Administrator:
 - Michael K. Heney
 - mheney@ltpsun.gsfc.nasa.gov
 - (301) 286-4044
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- MAST Technical Manager
 - David D. Herring
 - herring@ltpsun.gsfc.nasa.gov
 - (301) 286-9515

MODARCH Status

System Use

April 1994

- Total Accesses: 74
 - 40 UNIX or X-Windows
 - 34 Macintosh or PC Clients
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- Typical Number of Daily Uses: 3-4
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